

## **ABSTRACT**

1        The present invention provides a method for in-situ real-time monitoring of mold  
2 deformation by using a database to store temporary information during the following  
3 steps: (a) providing a mark on the mold body that is easy to observe in order to monitor  
4 the mold deformation, (b) installing a signal source and a monitor device for monitoring  
5 the deformation quantity on the mold, (c) transforming the above deformation quantity  
6 into computer signals for storing in the database and (d) issuing controlling or warning  
7 signals to the imprinting machine based on the processing results of the stored  
8 information in the database.